

Ballot for the Revisions to ANSI/APA PRP 210-2019

November 10, 2023

Summary of Revisions:

The revisions to ANSI/APA PRP 210-2019 can be categorized into the following 2 areas:

- 1) Update of referenced standards
- 2) Update of the standard in the size tolerance (Section 9.1), marking and certification (Section 10.2), and quality assurance requirements (new Section 10.3) for consistency with PS 1-22, which was just published by NIST on October 2, 2023, and available at the weblink: <https://www.nist.gov/document/ps-1-22-final-clean-10-02-2023>. Instead of copying the pertinent sections of PS 1-22 to this standard, the PRR 210 Committee reached a consensus at its meeting on October 18, 2023, to simply reference PS 1-22. This is reflected in the revisions below.

All revisions to the existing ANSI/APA PRP 210-2019 are tracked with the underline (insertion) and ~~strike-through~~ (deletion) style.

Please return the completed ballot to borjen.yeh@apawood.org using the Ballot Form by **December 15, 2023**.

Ballot:

AMERICAN NATIONAL STANDARD

Approval of an American National Standard requires review by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer. Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made towards their resolution. The use of American National Standards is completely voluntary; their existence does not in any respect preclude anyone, ~~whether he has approved the standards or not~~, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards.

2. SCOPE

This standard provides qualification and ~~trademark-marking~~ requirements for performance-rated engineered wood siding at the time of manufacturing. This includes the raw materials and binding materials as they affect performance, dimensions, tolerances, and moisture content of siding. This standard does not cover the efficacy or effect of preservative treatments on the siding products when applicable. Finish adhesion on engineered wood siding is beyond the scope of this standard.

Note 1: AWWA U1 Standard provides detailed information for preservative treatments on plywood when necessary.

The notes and appendix contained in this standard are non-mandatory. This standard incorporates the U.S. customary units as well as the International System of Units (SI). The

values given in the U.S. customary units are the standard and the SI values given in parentheses are for information only.

3.1. ASTM Standards

- D1037-12(2020) Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials
- D1761-1220 Standard Test Methods for Mechanical Fasteners in Wood and Wood-Based Materials
- D3043-17 Standard Test Methods for Structural Panels in Flexure
- D3501-05a (2018) Standard Test Methods for Wood-Based Structural Panels in Compression
- D4442-1620 Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials
- E72-1522 Test Methods of Conducting Strength Tests of Panels for Building Construction
- E661-03 (2015e1)22 Standard Test Method for Performance of Wood and Wood-Based Floor and Roof Sheathing Under Concentrated Static and Impact Loads

3.2. Other Standards and Referenced Documents

- ANSI A135.4-2012 (R2020) American National Standard for Basic Hardboard
- AWPA U1-1823 Use Category System: User Specification for Treated Wood
- Voluntary Product Standard PS 1-0922 Structural Plywood

6. STRUCTURAL PERFORMANCE QUALIFICATION

Performance shall be as specified in this section when tested in accordance with the referenced standard test methods provided in this standard. Specimens shall be tested in the as-received conditions except as noted otherwise in this standard. Tests shall be conducted at the support spacing to be shown on the ~~trademark~~ marking.

9.1. Size

A tolerance of plus 0, minus 1/8-16 inch (~~3.18~~1.6 mm) on specified length and/or width shall be permitted on the manufacturer's stated length and/or width. Where panels are marked "sized for spacing," a tolerance of plus zero, minus 1/8 inch (3.2 mm) shall be allowed on the manufacturer's stated length and/or width.

Note 2: For tongue-and-groove and ship-lapped panels, the width and squareness measurements should be made on the net panel face.

10.2. ~~Trademarking~~ Marking and Certification

10.2.1. Certification

All siding represented as being in conformance with this standard shall bear the stamp of a qualified agency Accredited Certification Agency (see Section 7.2 of PS 1). ~~which (1) either inspects the manufacture (with adequate sampling, testing of bond line, and examination for quality of all veneers) or (2) has tested a random sampling of the finished siding panels in the~~

~~shipment being certified for conformance with this standard. The mark shall retain legibility after weather exposure during construction.~~

~~Siding that bears the mark of an Accredited Certification Agency requires an initial and ongoing periodic inspection of the manufacturing and quality processes used to produce the product in accordance with Sections 7.1 through 7.4 of PS 1.~~

10.2.2 Panel marking

~~All panels represented as conforming to this Standard shall be identified with marks in accordance with Section 7.5 of PS 1 except that the symbol "ANSI PRP 210" shall be applied to signify conformance with this Standard.~~

10.2.3 Voiding marks

~~Panels originally marked as conforming to this Standard but subsequently rejected as not conforming thereto shall have any reference to the Standard obliterated or voided by the manufacturer as follows:~~

- ~~a) Shop panels shall be marked by means of a 4 inches x 5 inches (102 mm by 127 mm) minimum size mark carrying the legend "Shop-cutting panel — all other agency marks void" (see Section 2.55 of PS 1).~~
- ~~b) Other panels rejected as not conforming shall be identified by a mark placed next to, and be no less prominent than, the original mark, carrying the legend, "REJECT – All other agency marks void".~~

~~No reference shall be made to this Standard in the certification or marking of siding not conforming to all of the applicable provisions of this Standard.~~

10.2.54. Moisture Content

~~Moisture content of siding panels at time of shipment shall not exceed 16 percent of oven-dry weight as determined by Section 11.12.~~

10.3. Quality Assurance Requirements

~~Quality assurance requirements for products certified under this Standard shall be in accordance with Section 8 of PS 1.~~

~~10.2.2. Qualified Agency~~

~~A qualified agency is defined to be one that:~~

- ~~a. has the facilities and trained technical personnel to verify that the grading, measuring, species, construction, sanding, bonding, workmanship, and other characteristics of the products as determined by inspection, sampling and testing conform to all of the applicable requirements specified herein;~~
- ~~b. has developed procedures to be followed by agency personnel in performance of the inspection and testing;~~
- ~~c. has no financial interest in, or is not financially dependent upon, any single company manufacturing the product being inspected or tested; and~~
- ~~d. is not owned, operated or controlled by any such company.~~

~~10.2.3. Siding Panel Marking~~

~~All siding represented as conforming to this standard shall be identified with marks giving the following information:~~

- ~~a. Span Rating qualified in accordance with this standard.~~
- ~~b. “Exterior”—Signifying the gluebond classification. Any further reference to adhesive bond, including those which imply premium performance or special warranty by the manufacturer, as well as manufacturer’s proprietary designations, shall be separated from the grademarks or trademarks of the qualified agency by not less than 6 inches (152 mm).~~
- ~~c. The symbol “ANSI PRP 210” signifying conformance with this standard.~~
- ~~d. The trademark-specified thickness, expressed as “Performance Category” or a thickness.~~

10.2.4. Voiding Marks

~~Siding originally marked as conforming to this standard but subsequently rejected as not conforming thereto shall have any reference to the standard obliterated or voided by the manufacturer.~~

APPENDIX X1. HISTORY OF STANDARD (NON-MANDATORY)

In April 2008, the APA Standards Committee on Standard for Performance-Rated Engineered Wood Siding was formed to develop a national standard under the consensus processes accredited by the American National Standards Institute (ANSI). This national consensus standard, designated as ANSI/APA PRP 210-2008, is developed based on the *Manufacturing and Performance Standard for APA Rated Siding Panels*, as documented in the *Performance Standards and Qualification Policy for Structural-Use Panels*, APA PRP 108, which has been in use by the wood structural panel industry in North America since April 1980.

In 2013 through 2014, the ANSI/APA PRP 210-2008 was reviewed, revised, and approved by the Committee, and published as ANSI/APA PRR 210-2014. The major changes to this Standard were the incorporation of “Performance Category” from PS 1-09.

In 2018 through 2019, the ANSI/APA PRP 210-2014 was reviewed, revised, and approved by the Committee, and published as ANSI/APA PRR 210-2019. The major changes to this Standard were the clarification of fasteners used in the fastener head pull-through tests (Table 5) and the wall racking tests (Table 6).

In 2023 through 2024, the ANSI/APA PRP 210-2019 was reviewed, revised, and approved by the Committee, and published as ANSI/APA PRR 210-2024. The major changes to this Standard were the update of the Standard in the size tolerance (Section 9.1), marking and certification (Section 10.2), and quality assurance requirements (new Section 10.3) for consistency with PS 1-22.

The names of the ANSI/APA PRP 210 Committee members when the standard is published are as follows. The current list of the committee membership is available from the committee secretariat upon request.

[Secretariat Note: The committee roster will be included in the Standard when the Standard is published.]